

## Safety Data Sheet

acc. to OSHA HCS

Printing date 02/01/2017

Version 15

Reviewed on 02/01/2017

### 1 Identification

- **Product identifier** Bright gold
- **Trade name:**
- **Product ID#:** ***BRUSHING GOLD LUSTER***
  
- **Product Use:** Coating compound/ Surface coating/ paint
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**  
Johnson Matthey Inc.  
498 Acorn Lane  
Downingtown, PA 19335  
tel. 1 610 873-3200  
fax. 1 610 873-3255
- **Information department:** Product Safety Department 1 (610) 873-3200 M-F  
8am-5pm
- **Emergency telephone number:** 1 856 384-7050

**GBC7914**

### 2 Hazard(s) identification

- **Classification of the substance or mixture**



GHS02 Flame

Flam. Liq. 2      H225 Highly flammable liquid and vapor.



GHS07

Skin Irrit. 2      H315 Causes skin irritation.  
Skin Sens. 1      H317 May cause an allergic skin reaction.

Aquatic Acute 3      H402 Harmful to aquatic life.  
Aquatic Chronic 3      H412 Harmful to aquatic life with long lasting effects.

- **Label elements**

- **GHS label elements** The product is classified and labeled according to the Globally Harmonized System (GHS).

- **Hazard pictograms** GHS02, GHS07

- **Signal word** Danger

- **Hazard-determining components of labeling:**

Turpentine, oil  
Turpentine, oil

- **Hazard statements**

H225 Highly flammable liquid and vapor.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.

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H402 Harmful to aquatic life.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements**

- P210 Keep away from heat/sparks/open flames/hot surfaces. No smoking.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P261 Avoid breathing dust/fume/gas/mist/vapors/spray
- P280 Wear protective gloves / eye protection / face protection.
- P240 Ground/bond container and receiving equipment.
- P233 Keep container tightly closed.
- P242 Use only non-sparking tools.
- P273 Avoid release to the environment.
- P243 Take precautionary measures against static discharge.
- P264 Wash thoroughly after handling.
- P272 Contaminated work clothing must not be allowed out of the workplace.
- P303+P361+P353 If on skin (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P321 Specific treatment (see on this label).
- P363 Wash contaminated clothing before reuse.
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
- P370+P378 In case of fire: Use for extinction: CO<sub>2</sub>, powder or water spray.
- P362+P364 Take off contaminated clothing and wash it before reuse.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazard description:**
**Canadian Hazard Symbols**

B2 - Flammable liquid

D2B - Toxic material causing other toxic effects


**American Hazard Description**

Based upon the components the following hazards may exist:

Target Organs - Lungs, Central Nervous System

**Classification system:**
**NFPA ratings (scale 0 - 4)**


Health = 1

Fire = 4

Reactivity = 0

**HMIS ratings (scale 0 - 4)**


Health = 1

Fire = 4

Reactivity = 0

**Other hazards**
**Results of PBT and vPvB assessment**
**PBT:** Not applicable.

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· vPvB: Not applicable.

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### 3 Composition/information on ingredients

 · **Chemical characterization: Mixtures**

 · **Description:**

Solution of organo(precious) metal compounds and resins / waxes in a mixture of organic solvents and essential oils

 · **Hazardous components:**

CAS: 68365-87-7 EINECS: 269-858-3	aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate ⚠ Flam. Sol. 2, H228	10-25%
CAS: 110-19-0 EINECS: 203-745-1	isobutyl acetate ⚠ Flam. Liq. 2, H225	10-25%
CAS: 108-93-0 EINECS: 203-630-6 RTECS: GV 7875000	cyclohexanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335; Flam. Liq. 4, H227	10-25%
CAS: 125-12-2 EINECS: 204-727-6	iso-bornyl acetate Flam. Liq. 4, H227	5-<10%
CAS: 108-94-1 EINECS: 203-631-1 RTECS: GW 1050000	cyclohexanone ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332	5-<10%
CAS: 1330-20-7 EINECS: 215-535-7 RTECS: ZE 2100000	xylene, mixture of isomers ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	2.5-5%
CAS: 100-52-7 EINECS: 202-860-4 RTECS: CU 4375000	benzaldehyde ⚠ Acute Tox. 4, H302; Flam. Liq. 4, H227	1-2.5%
CAS: 92-52-4 EINECS: 202-163-5 RTECS: DU 8050000	biphenyl ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335	1-<2.5%
CAS: 141-78-6 EINECS: 205-500-4 RTECS: AH 5425000	ethyl acetate ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2A, H319; STOT SE 3, H336	1-2.5%
CAS: 67874-71-9	bismuth octoate Flam. Liq. 4, H227	0.5-1%
CAS: 95-50-1 EINECS: 202-425-9 RTECS: CZ 4500000	1,2-dichlorobenzene ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; STOT SE 3, H335; Flam. Liq. 4, H227	0.25-<0.5%
CAS: 8006-64-2 EINECS: 232-350-7 RTECS: YO8400000	Turpentine, oil ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 3, H301; Acute Tox. 3, H311; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317; Aquatic Acute 2, H401	0.25-<0.5%

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CAS: 628-63-7 EINECS: 211-047-3 RTECS: AJ 2010000	pentyl acetate ⚠ Flam. Liq. 3, H226	0.1-<0.5%
CAS: 8006-64-2 EINECS: 232-350-7 RTECS: YO8400000	Turpentine, oil ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H312; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319; Skin Sens. 1, H317	0.1-<0.25%
<b>· Main components:</b>		
CAS: 68365-87-7 EINECS: 269-858-3	aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate ⚠ Flam. Sol. 2, H228	10-25%
CAS: 110-19-0 EINECS: 203-745-1	isobutyl acetate ⚠ Flam. Liq. 2, H225	10-25%
CAS: 26678-93-3 polymer	formaldehyde, polymer with 4-(1,1,3,3 tetramethylbutyl)phenol	10-25%
CAS: 108-93-0 EINECS: 203-630-6 RTECS: GV 7875000	cyclohexanol ⚠ Acute Tox. 4, H302; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335; Flam. Liq. 4, H227	10-25%
CAS: 125-12-2 EINECS: 204-727-6	iso-bornyl acetate Flam. Liq. 4, H227	5-<10%
CAS: 108-94-1 EINECS: 203-631-1 RTECS: GW 1050000	cyclohexanone ⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H332	5-<10%
CAS: 1330-20-7 EINECS: 215-535-7 RTECS: ZE 2100000	xylene, mixture of isomers ⚠ Flam. Liq. 3, H226; ⚠ Aquatic Chronic 2, H411; ⚠ Acute Tox. 4, H312; ⚠ Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2A, H319	2.5-5%
CAS: 65997-05-9 NLP: 500-163-2	polymerised rosin	1-2.5%

· **Additional information:** For the wording of the listed hazard phrases refer to section 16.

#### 4 First-aid measures

· **Description of first aid measures**

· **General information:**

Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

· **After inhalation:**

If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:**

Remove contaminated clothing and wash skin with soap and water. Wash or clean clothing before reuse.

· **After eye contact:** Rinse opened eye for several minutes under running water.

· **After swallowing:** If symptoms persist consult doctor.

· **Information for doctor:**

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

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### 5 Fire-fighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:** CO2, sand, extinguishing powder. Do not use water.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** Wear full firefighting gear and SCBA

### 6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**  
Wear protective equipment. Keep unprotected persons away.
- **Environmental precautions:**  
Do not allow product to reach sewage system or any water course.  
Prevent seepage into sewage system, workpits and cellars.  
Inform respective authorities in case of seepage into water course or sewage system.
- **Methods and material for containment and cleaning up:**  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Ensure adequate ventilation.
- **Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.
- **Protective Action Criteria for Chemicals**

· **PAC-1:**

110-19-0	isobutyl acetate	450 ppm
108-93-0	cyclohexanol	150 ppm
108-94-1	cyclohexanone	60 ppm
1330-20-7	xylene, mixture of isomers	130 ppm
100-52-7	benzaldehyde	4 ppm
92-52-4	biphenyl	0.87 ppm
141-78-6	ethyl acetate	1,200 ppm
95-50-1	1,2-dichlorobenzene	50 ppm
8006-64-2	Turpentine, oil	60 ppm
628-63-7	pentyl acetate	100 ppm
8006-64-2	Turpentine, oil	60 ppm
78-59-1	isophorone	12 ppm

· **PAC-2:**

110-19-0	isobutyl acetate	1300* ppm
108-93-0	cyclohexanol	580 ppm
108-94-1	cyclohexanone	830 ppm
1330-20-7	xylene, mixture of isomers	920* ppm
100-52-7	benzaldehyde	9.9 ppm
92-52-4	biphenyl	9.6 ppm

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141-78-6	ethyl acetate	1,700 ppm
95-50-1	1,2-dichlorobenzene	170 ppm
8006-64-2	Turpentine, oil	120 ppm
628-63-7	pentyl acetate	670 ppm
8006-64-2	Turpentine, oil	120 ppm
78-59-1	isophorone	33 ppm

**· PAC-3:**

110-19-0	isobutyl acetate	7500** ppm
108-93-0	cyclohexanol	3,500 ppm
108-94-1	cyclohexanone	5000* ppm
1330-20-7	xylene, mixture of isomers	2500* ppm
100-52-7	benzaldehyde	59 ppm
92-52-4	biphenyl	300 ppm
141-78-6	ethyl acetate	10000** ppm
95-50-1	1,2-dichlorobenzene	1,000 ppm
8006-64-2	Turpentine, oil	1,500 ppm
628-63-7	pentyl acetate	4000* ppm
8006-64-2	Turpentine, oil	1,500 ppm
78-59-1	isophorone	200 ppm

## 7 Handling and storage

**· Handling:**

**· Precautions for safe handling**

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

**· Information about protection against explosions and fires:**



Keep ignition sources away - Do not smoke.

Protect from heat.

Protect against electrostatic charges.

**· Conditions for safe storage, including any incompatibilities**

**· Storage:**

**· Requirements to be met by storerooms and receptacles:** No special requirements.

**· Information about storage in one common storage facility:** Not required.

**· Further information about storage conditions:** Keep receptacle tightly sealed.

**· Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**· Additional information about design of technical systems:**

The application of this product requires well exhausted firing kilns and efficient ventilation of working areas.

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- **Control parameters**

- **Components with limit values that require monitoring at the workplace:**

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit.

At this time, the other constituents have no known exposure limits.

There is no PEL established for this mixture. Recommend monitoring based upon the components in the mixture.

**110-19-0 isobutyl acetate**

PEL	Long-term value: 700 mg/m <sup>3</sup> , 150 ppm
REL	Long-term value: 700 mg/m <sup>3</sup> , 150 ppm
TLV	Short-term value: 172 mg/m <sup>3</sup> , 150 ppm Long-term value: 238 mg/m <sup>3</sup> , 50 ppm

**108-93-0 cyclohexanol**

PEL	Long-term value: 200 mg/m <sup>3</sup> , 50 ppm
REL	Long-term value: 200 mg/m <sup>3</sup> , 50 ppm Skin
TLV	Long-term value: 206 mg/m <sup>3</sup> , 50 ppm Skin

**1330-20-7 xylene, mixture of isomers**

PEL	Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
REL	Short-term value: 655 mg/m <sup>3</sup> , 150 ppm Long-term value: 435 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 651 mg/m <sup>3</sup> , 150 ppm Long-term value: 434 mg/m <sup>3</sup> , 100 ppm BEI

**100-52-7 benzaldehyde**

WEEL	Short-term value: 4 ppm Long-term value: 2 ppm DSEN
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**92-52-4 biphenyl**

PEL	Long-term value: 1 mg/m <sup>3</sup> , 0.2 ppm
REL	Long-term value: 1 mg/m <sup>3</sup> , 0.2 ppm
TLV	Long-term value: 1.3 mg/m <sup>3</sup> , 0.2 ppm

**141-78-6 ethyl acetate**

PEL	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
REL	Long-term value: 1400 mg/m <sup>3</sup> , 400 ppm
TLV	Long-term value: 1440 mg/m <sup>3</sup> , 400 ppm

**95-50-1 1,2-dichlorobenzene**

PEL	Ceiling limit value: 300 mg/m <sup>3</sup> , 50 ppm
REL	Ceiling limit value: 300 mg/m <sup>3</sup> , 50 ppm
TLV	Short-term value: 301 mg/m <sup>3</sup> , 50 ppm Long-term value: 150 mg/m <sup>3</sup> , 25 ppm

**628-63-7 pentyl acetate**

PEL	Long-term value: 525 mg/m <sup>3</sup> , 100 ppm
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REL	Long-term value: 525 mg/m <sup>3</sup> , 100 ppm
TLV	Short-term value: 532 mg/m <sup>3</sup> , 100 ppm Long-term value: 266 mg/m <sup>3</sup> , 50 ppm
<b>8006-64-2 Turpentine, oil</b>	
PEL	Long-term value: 560 mg/m <sup>3</sup> , 100 ppm
REL	Long-term value: 560 mg/m <sup>3</sup> , 100 ppm
TLV	Long-term value: 112 mg/m <sup>3</sup> , 20 ppm DSEN
<b>· Ingredients with biological limit values:</b>	
<b>108-93-0 cyclohexanol</b>	
BEI	- Medium: urine Time: end of shift at end of workweek Parameter: 1,2-Cyclohexanediol with hydrolysis (nonquantitative, nonspecific)
	- Medium: urine Time: end of shift Parameter: Cyclohexanol with hydrolysis (nonquantitative, nonspecific)
<b>1330-20-7 xylene, mixture of isomers</b>	
BEI	1.5 g/g creatinine Medium: urine Time: end of shift Parameter: Methylhippuric acids

· **Additional information:** The lists that were valid during the creation were used as basis.

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

- Keep away from foodstuffs, beverages and feed.
- Immediately remove all soiled and contaminated clothing.
- Wash hands before breaks and at the end of work.



Avoid contact with the skin.



Avoid contact with the eyes and skin.

· **Breathing equipment:** Not required.

· **Protection of hands:** Protective gloves

· **Material of gloves**

- Nitrile rubber, NBR
- Chemical resistant gloves

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· Eye protection: Tightly sealed goggles

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### 9 Physical and chemical properties

#### · Information on basic physical and chemical properties

##### · General Information

##### · Appearance:

· Form:	Fluid
· Color:	According to product specification
· Odor:	Characteristic
· Odor threshold:	Not determined.

· pH-value: Neutral

##### · Change in condition

· Melting point/Melting range:	Undetermined.
· Boiling point/Boiling range:	100 °C (212 °F)

· Flash point: 21 °C (70 °F) (ISO 3679)

· Flammability (solid, gaseous): Not applicable.

· Ignition temperature: 290 °C (554 °F)

· Decomposition temperature: Not determined.

· Auto igniting: Product is not selfigniting.

· Danger of explosion: Product is not explosive. However, formation of explosive air/vapor mixtures are possible.

##### · Explosion limits:

· Lower:	2.0 Vol %
· Upper:	11.2 Vol %

· Vapor pressure at 20 °C (68 °F): 20 hPa (15 mm Hg)

· Density: Not determined.

· Relative density: Not determined.

· Vapor density: Not determined.

· Evaporation rate: Not determined.

##### · Solubility in / Miscibility with

· Water: Not miscible or difficult to mix.

· Partition coefficient (n-octanol/water): Not determined.

##### · Viscosity:

· Dynamic:	Not determined.
· Kinematic:	Not determined.

##### · Solvent content:

· Organic solvents:	27.3 %
· Water:	0.0 %
· Solvent (USA):	27.3 %
	364.8 g/l / 3.04 lb/gl

· Solids content: 51.4 %

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· **Other information** No further relevant information available.

### 10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

### 11 Toxicological information

- **Information on toxicological effects**
- **Acute toxicity:**

· **LD/LC50 values that are relevant for classification:**

<b>108-93-0 cyclohexanol</b>		
Oral	LD50	2060 mg/kg (rat)
<b>108-94-1 cyclohexanone</b>		
Oral	LD50	1900 mg/kg (rat)
Dermal	LD50	948 mg/kg (rabbit)
Inhalative	LC50/4 h	8000 mg/L (rat)
<b>1330-20-7 xylene, mixture of isomers</b>		
Oral	LD50	8700 mg/kg (rat)
Dermal	LD50	2000 mg/kg (rabbit)
Inhalative	LC50/4 h	6350 mg/L (rat)
<b>100-52-7 benzaldehyde</b>		
Oral	LD50	1300 mg/kg (rat)
<b>92-52-4 biphenyl</b>		
Oral	LD50	3280 mg/kg (rat)
<b>141-78-6 ethyl acetate</b>		
Oral	LD50	4935 mg/kg (rabbit)
Inhalative	LC50/4 h	1600 mg/L (rat)
<b>95-50-1 1,2-dichlorobenzene</b>		
Oral	LD50	500 mg/kg (rat)

- **Primary irritant effect:**
- **on the skin:** Irritant to skin and mucous membranes.
- **on the eye:** No irritating effect.
- **Sensitization:** Sensitization possible through skin contact.
- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:  
Irritant

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· **Carcinogenic categories**

· **IARC (International Agency for Research on Cancer)**

108-94-1	cyclohexanone	3
1330-20-7	xylene, mixture of isomers	3
95-50-1	1,2-dichlorobenzene	3

· **NTP (National Toxicology Program)**

None of the ingredients is listed.

· **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**12 Ecological information**

· **Toxicity**

· **Aquatic toxicity:**

**108-94-1 cyclohexanone**

Oral	LC50/96 h (dynamic)	527 mg/L (fish)
	LC50/48 h	536 mg/L (fish)
	EC50/48 h	820 mg/L (daphnia)

**92-52-4 biphenyl**

Oral	LC50/48 h	2.1 mg/L (daphnia)
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· **Persistence and degradability** No further relevant information available.

· **Behavior in environmental systems:**

· **Bioaccumulative potential** No further relevant information available.

· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:** Harmful to aquatic organisms

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

· **Other adverse effects** No further relevant information available.

**13 Disposal considerations**

· **Waste treatment methods**

· **Recommendation:**

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

· **Uncleaned packagings:**

· **Recommendation:** Disposal must be made according to official regulations.

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## 14 Transport information

<b>· UN-Number</b>	
<b>· DOT, IMDG, IATA</b>	UN1263
<b>· UN proper shipping name</b>	
<b>· DOT</b>	Paint
<b>· IMDG, IATA</b>	PAINT
<b>· Transport hazard class(es)</b>	
<b>· DOT</b>	
	
<b>· Class</b>	3 Flammable liquids
<b>· Label</b>	3
<b>· IMDG, IATA</b>	
	
<b>· Class</b>	3 Flammable liquids
<b>· Label</b>	3
<b>· Packing group</b>	
<b>· DOT, IMDG, IATA</b>	II
<b>· Environmental hazards:</b>	
<b>· Marine pollutant:</b>	No
<b>· Special precautions for user</b>	Warning: Flammable liquids
<b>· Danger code (Kemler):</b>	33
<b>· EMS Number:</b>	F-E,S-E
<b>· Segregation groups</b>	Liquid halogenated hydrocarbons
<b>· Stowage Category</b>	B
<b>· Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b>	Not applicable.
<b>· Transport/Additional information:</b>	
<b>· DOT</b>	
<b>· Quantity limitations</b>	On passenger aircraft/rail: 5 L On cargo aircraft only: 60 L
<b>· IMDG</b>	
<b>· Limited quantities (LQ)</b>	5L
<b>· Excepted quantities (EQ)</b>	Code: E2 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 500 ml
<b>· UN "Model Regulation":</b>	UN 1263 PAINT, 3, II

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**15 Regulatory information**

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

· **Section 355 (extremely hazardous substances):**

None of the ingredients is listed.

· **Section 313 (Specific toxic chemical listings):**

26678-93-3	formaldehyde, polymer with 4-(1,1,3,3 tetramethylbutyl)phenol	*
108-93-0	cyclohexanol	*
1330-20-7	xylene, mixture of isomers	*
92-52-4	biphenyl	*

· **TSCA (Toxic Substances Control Act):**

68365-87-7	aurio(1+) 2,6,6-trimethylbicyclo[3.1.1]heptanethiolate
110-19-0	isobutyl acetate
26678-93-3	formaldehyde, polymer with 4-(1,1,3,3 tetramethylbutyl)phenol
108-93-0	cyclohexanol
125-12-2	iso-bornyl acetate
108-94-1	cyclohexanone
1330-20-7	xylene, mixture of isomers
65997-05-9	polymerised rosin
100-52-7	benzaldehyde
92-52-4	biphenyl
141-78-6	ethyl acetate
67874-71-9	bismuth octoate
	Reodorant # 275
95-50-1	1,2-dichlorobenzene
8006-64-2	Turpentine, oil
7704-34-9	sulphur
61788-69-0	Chromium naphthenate
76-22-2	bornan-2-one
628-63-7	pentyl acetate
8006-64-2	Turpentine, oil
8000-28-0	lavender oil
78-70-6	Linalool
	cellulose, ethyl ether
80-26-2	terpinyl acetate
8000-41-7	terpineol
507-70-0	Borneol
78-59-1	isophorone

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· **Proposition 65**· **Warning: This product contains a chemical known to the State of California to cause cancer**

None of the ingredients is listed.

· **Warning: This product contains a chemical known to the State of California to cause female reproductive hazards.**

None of the ingredients is listed.

· **Warning: This product contains a chemical known to the State of California to cause male reproductive hazards**

None of the ingredients is listed.

· **Warning: This product contains a chemical known to the State of California to cause development toxicity**

None of the ingredients is listed.

· **Canadian Ingredient disclosure list**· **Limit 0,1%**

108-94-1 cyclohexanone

· **Limit 1%**

110-19-0 isobutyl acetate

108-93-0 cyclohexanol

100-52-7 benzaldehyde

92-52-4 biphenyl

141-78-6 ethyl acetate

· **Carcinogenicity categories**· **EPA (Environmental Protection Agency)**

1330-20-7 xylene, mixture of isomers

I

92-52-4 biphenyl

SC

· **TLV (Threshold Limit Value established by ACGIH) notations**

108-94-1 cyclohexanone

A3

1330-20-7 xylene, mixture of isomers

A4

· **MAK (German Maximum Workplace Concentration)**

108-94-1 cyclohexanone

3B 5.475%

92-52-4 biphenyl

3B 1.19%

8006-64-2 Turpentine, oil

3A 0.436%

8006-64-2 Turpentine, oil

3A 0.111%

78-59-1 isophorone

3B 0.0002%

· **NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

· **National regulations:**

The product is subject to be labeled according with the prevailing version of the regulations on hazardous substances.

· **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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### 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

· **Relevant phrases**

- H225 Highly flammable liquid and vapor.
- H226 Flammable liquid and vapor.
- H227 Combustible liquid.
- H228 Flammable solid.
- H301 Toxic if swallowed.
- H302 Harmful if swallowed.
- H304 May be fatal if swallowed and enters airways.
- H311 Toxic in contact with skin.
- H312 Harmful in contact with skin.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H319 Causes serious eye irritation.
- H332 Harmful if inhaled.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H400 Very toxic to aquatic life.
- H401 Toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.
- H411 Toxic to aquatic life with long lasting effects.

· **Contact:**

S. Carter  
EHS Specialist

· **Date of preparation / last revision** 02/01/2017 / 14

· **Abbreviations and acronyms:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
 ICAO: International Civil Aviation Organisation  
 ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 IMDG: International Maritime Code for Dangerous Goods  
 DOT: US Department of Transportation  
 IATA: International Air Transport Association  
 ACGIH: American Conference of Governmental Industrial Hygienists  
 EINECS: European Inventory of Existing Commercial Chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 CAS: Chemical Abstracts Service (division of the American Chemical Society)  
 NFPA: National Fire Protection Association (USA)  
 HMIS: Hazardous Materials Identification System (USA)  
 WHMIS: Workplace Hazardous Materials Information System (Canada)  
 VOC: Volatile Organic Compounds (USA, EU)  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 PBT: Persistent, Bioaccumulative and Toxic  
 vPvB: very Persistent and very Bioaccumulative  
 NIOSH: National Institute for Occupational Safety  
 OSHA: Occupational Safety & Health  
 TLV: Threshold Limit Value  
 PEL: Permissible Exposure Limit  
 REL: Recommended Exposure Limit  
 BEI: Biological Exposure Limit  
 Flam. Liq. 2: Flammable liquids – Category 2  
 Flam. Liq. 3: Flammable liquids – Category 3  
 Flam. Liq. 4: Flammable liquids – Category 4

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Flam. Sol. 2: Flammable solids – Category 2  
Acute Tox. 3: Acute toxicity – Category 3  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A  
Skin Sens. 1: Skin sensitisation – Category 1  
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3  
Asp. Tox. 1: Aspiration hazard – Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1  
Aquatic Acute 2: Hazardous to the aquatic environment - acute aquatic hazard – Category 2  
Aquatic Acute 3: Hazardous to the aquatic environment - acute aquatic hazard – Category 3  
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1  
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

· \* **Data compared to the previous version altered.**

US